

**TRANSMITTAL LETTER TO THE UNITED STATES  
DESIGNATED/ELECTED OFFICE (DO/EO/US)  
CONCERNING A FILING UNDER 35 U.S.C. 371**

INTERNATIONAL APPLICATION NO.

PCT/US94/00925

INTERNATIONAL FILING DATE

27 January 1994

PRIORITY DATE CLAIMED

02 April 1993

**TITLE OF INVENTION**

ALUMINUM NITRIDE, ALUMINUM NITRIDE CONTAINING SOLID SOLUTIONS AND ALUMINUM NITRIDE COMPOSITES PREPARED BY COMBUSTION SYNTHESIS

**APPLICANT(S) FOR DO/EO/US**

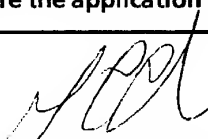
Stephen D. Dunmead, William G. Moore, Kevin E. Howard, Kevin C. Morse

Applicant herewith submits to the United States Designated/Elected Office (DO/EO/US) the following items and other information:

1. ☒ This is a **FIRST** submission of items concerning a filing under 35 U.S.C. 371.
2. ☐ This is a **SECOND** or **SUBSEQUENT** submission of items concerning a filing under 35 U.S.C. 371.
3. ☐ This is an express request to begin national examination procedures (35 U.S.C. 371(f)) at any time rather than delay examination until the expiration of the applicable time limit set in 35 U.S.C. 371(b) and PCT Articles 22 and 39(1).
4. ☒ A proper Demand for International Preliminary Examination was made by the 19th month from the earliest claimed priority date.
5. ☒ A copy of the International Application as filed (35 U.S.C. 371(c)(2))
  - a. ☒ is transmitted herewith (required only if not transmitted by the International Bureau).
  - b. ☐ has been transmitted by the International Bureau.
  - c. ☐ is not required, as the application was filed in the United States receiving Office (RO/US).
6. ☐ A translation of the International Application into English (35 U.S.C. 371(c)(2)).
7. ☒ Amendments to the claims of the International Application under PCT Article 19 (35 U.S.C. 371(c)(3))
  - a. ☐ are transmitted herewith (required only if not transmitted by the International Bureau).
  - b. ☐ have been transmitted by the International Bureau.
  - c. ☐ have not been made; however, the time limit for making such amendments has NOT expired.
  - d. ☒ have not been made and will not be made.
8. ☐ A translation of the amendments to the claims under PCT Article 19 (35 U.S.C. 371(c)(3)).
9. ☒ An oath or declaration of the inventor (35 U.S.C. 371(c)(4)).
10. ☐ A translation of the Annexes to the International Preliminary Examination Report under PCT Article 36 (35 U.S.C. 371(c)(5)).

Items 11. to 16. below concern other document(s) or information included:

11. ☒ An Information Disclosure Statement under 37 CFR 1.97 and 1.98.
12. ☐ An assignment document for recording. A separate cover sheet in compliance with 37 CFR 3.28 and 3.31 is included.
13. ☒ A **FIRST** preliminary amendment.  
☐ A **SECOND** or **SUBSEQUENT** preliminary amendment.
14. ☐ A substitute specification.
15. ☒ A change of power of attorney and/or address letter.
16. ☒ Other items or information: International Preliminary Examination Report and Annexes

U.S. APPLICATION NO. (if known, see 37 CFR 1.50)		INTERNATIONAL APPLICATION NO.		ATTORNEY'S DOCKET NUMBER			
17. <input checked="" type="checkbox"/> The following fees are submitted: <b>Basic National Fee (37 CFR 1.492(a)(1)-(5)):</b> Search Report has been prepared by the EPO or JPO ..... \$850.00 International preliminary examination fee paid to USPTO (37 CFR 1.482) ..... \$660.00 No international preliminary examination fee paid to USPTO (37 CFR 1.482) but international search fee paid to USPTO (37 CFR 1.445(a)(2)) ..... \$730.00 Neither international preliminary examination fee (37 CFR 1.482) nor international search fee (37 CFR 1.445(a)(2)) paid to USPTO ..... \$980.00 International preliminary examination fee paid to USPTO (37 CFR 1.482) and all claims satisfied provisions of PCT Article 33(2)-(4) ..... \$92.00 <b>ENTER APPROPRIATE BASIC FEE AMOUNT =</b>				CALCULATIONS		PTO USE ONLY	
Surcharge of \$130.00 for furnishing the oath or declaration later than <input type="checkbox"/> 20 <input type="checkbox"/> 30 months from the earliest claimed priority date (37 CFR 1.492(e)).				+	\$	980.00	
Claims		Number Filed	Number Extra	Rate			
Total Claims		20 — 20 =	0	X \$22.00	\$	0.00	
Independent Claims		2 — 3 =	0	X \$76.00	\$	0.00	
Multiple dependent claim(s) (if applicable)				+ \$240.00	\$	0.00	
TOTAL OF ABOVE CALCULATIONS =					\$	980.00	
Reduction by 1/2 for filing by small entity, if applicable. Verified Small Entity statement must also be filed. (Note 37 CFR 1.9, 1.27, 1.28.)					+	\$	0.00
SUBTOTAL =					\$	980.00	
Processing fee of \$130.00 for furnishing the English Translation later than <input type="checkbox"/> 20 <input type="checkbox"/> 30 months from the earliest claimed priority date (37 CFR 1.492(f)).					+	\$	0.00
TOTAL NATIONAL FEE =					\$	980.00	
Fee for recording the enclosed assignment (37 CFR 1.21(h)). The assignment must be accompanied by an appropriate cover sheet (37 CFR 3.28, 3.31). \$40.00 per property.					+	\$	0.00
TOTAL FEES ENCLOSED =					\$	980.00	
					Amount to be refunded:		\$
					charged:		\$
a. <input type="checkbox"/> A check in the amount of \$ _____ to cover the above fees is enclosed.							
b. <input checked="" type="checkbox"/> Please charge my Deposit Account No. 04-1512 in the amount of \$ 980.00 to cover the above fees. A duplicate copy of this sheet is enclosed.							
c. <input checked="" type="checkbox"/> The Commissioner is hereby authorized to charge any additional fees which may be required, or credit any overpayment to Deposit Account No. 04-1512. A duplicate copy of this sheet is enclosed.							
<b>Note: Where an appropriate time limit under 37 CFR 1.494 or 1.495 has not been met, a petition to revive (37 CFR 1.137(a) or (b)) must be filed and granted to restore the application to pending status.</b>							
SEND ALL CORRESPONDENCE TO: Stephen S. Grace The Dow Chemical Company Patent Department P.O. Box 1967 Midland, Michigan 48641-1967 United States of America Phone: 517-636-2464				Signature:  Gary C. Cohn, Registration No. 30,456 Date: September 6, 1995			

21 PCT/PTC 26 SEP 1995

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Date of Deposit September 26, 1995

I hereby certify that this paper or fee is being deposited with the United States Postal Service "Express Mail Post Office to Addressee" service under 37 CFR 1.10 on the date indicated above and is addressed to the Commissioner of Patents and Trademarks, Washington, D.C. 20231

Karen A. LaCroix

(Typed or printed name of person mailing paper or fee)

Karen A. LaCroix

(Signature of person mailing paper or fee)

**THIS APPLICATION IS THE**  
**ENTRY INTO THE NATIONAL**  
**PHASE UNDER 35 U.S.C. 371**

Applicant(s): **THE DOW CHEMICAL COMPANY**  
**(Stephen D. Dunmead, William G. Moore, Kevin E. Howard, Kevin C. Morse)**

International Application No. **PCT/US94/00925**

International Filing Date: **27 January 1994**

Priority Date Claimed: **02 April 1993**

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NITRIDE COMPOSITES PREPARED BY COMBUSTION  
SYNTHESIS**

Attorney's Docket No.: **40,076A**